

Abstract

The invention relates to a field device (1) for monitoring and/or
5 determining a process variable of a medium, wherein the process
variable preferably is fill level, viscosity or density of the medium. The
field device includes: an oscillatable unit (10); a driving/receiving unit (11),
which excites the oscillatable unit (10) to oscillate, or which receives the
oscillations of the oscillatable unit (10), as the case may be; and a
10 control/evaluation unit (12), which controls the oscillations of the
oscillatable unit (10), or which evaluates the oscillations of the
oscillatable unit (10). The invention includes that the control/evaluation
unit (12) produces an accretion alarm, when the oscillation frequency (f)
of the oscillations of the oscillatable unit (10) falls below an adjustable
15 limit value (G ; G_{Minimum} ; G_{Maximum}). The limit value (G ; G_{Minimum} ; G_{Maximum})
is determinable and/or calculable at least from measured and/or
calculated dependencies of the oscillation frequency on process
conditions and/or on the process variable to be monitored and/or
determined.

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(Fig. 1)